

FIG. 1

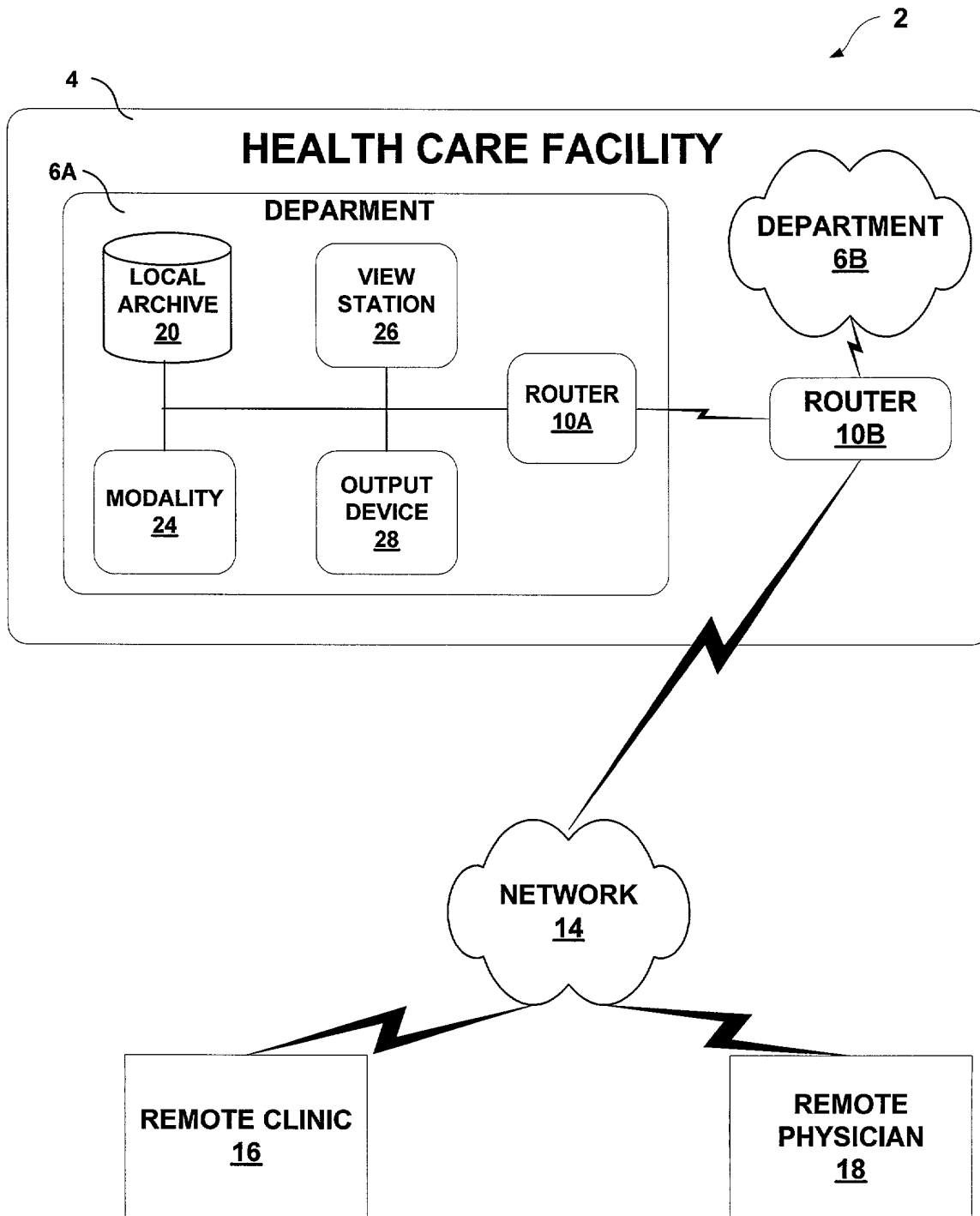


FIG. 2

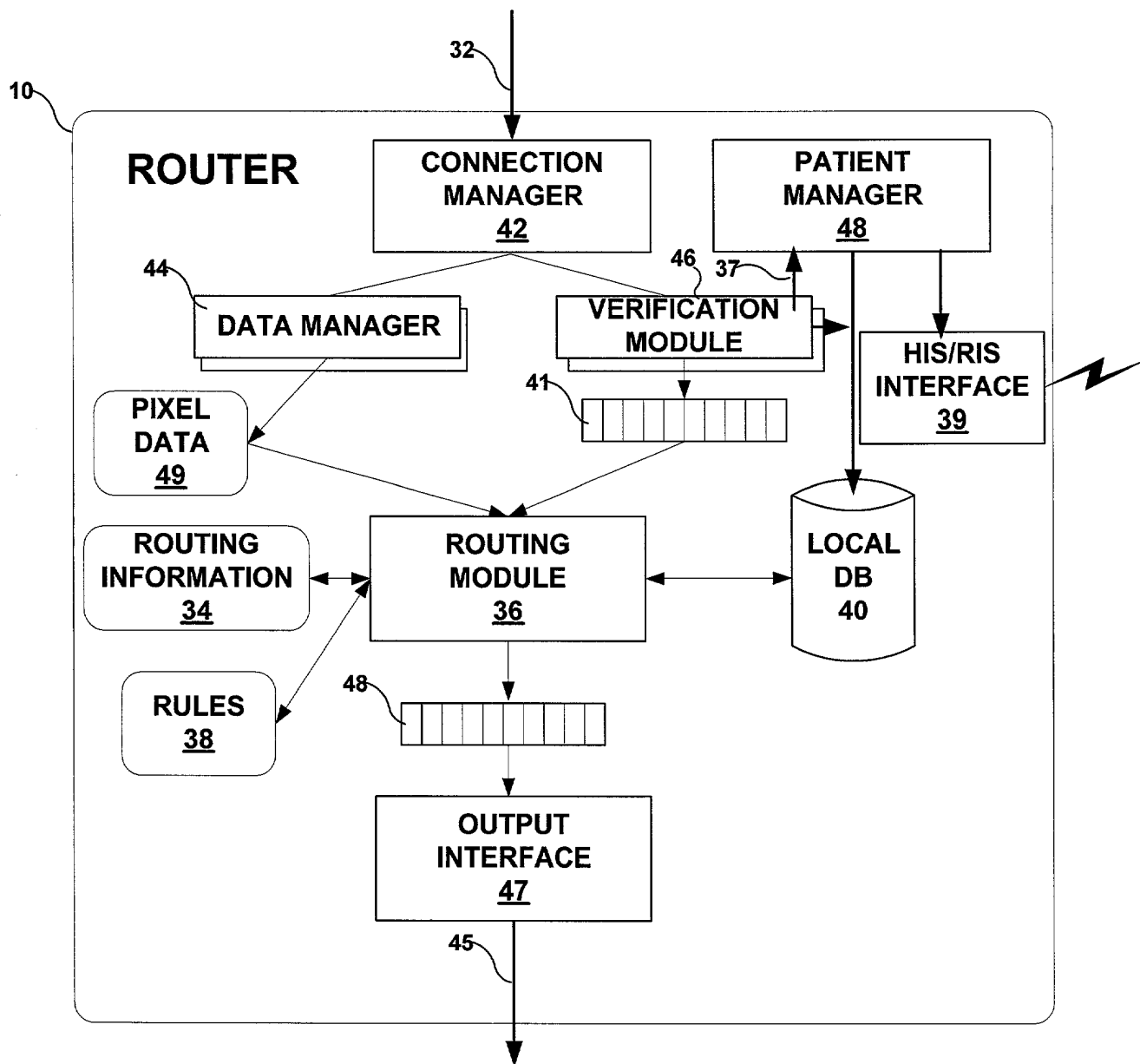


FIG.3

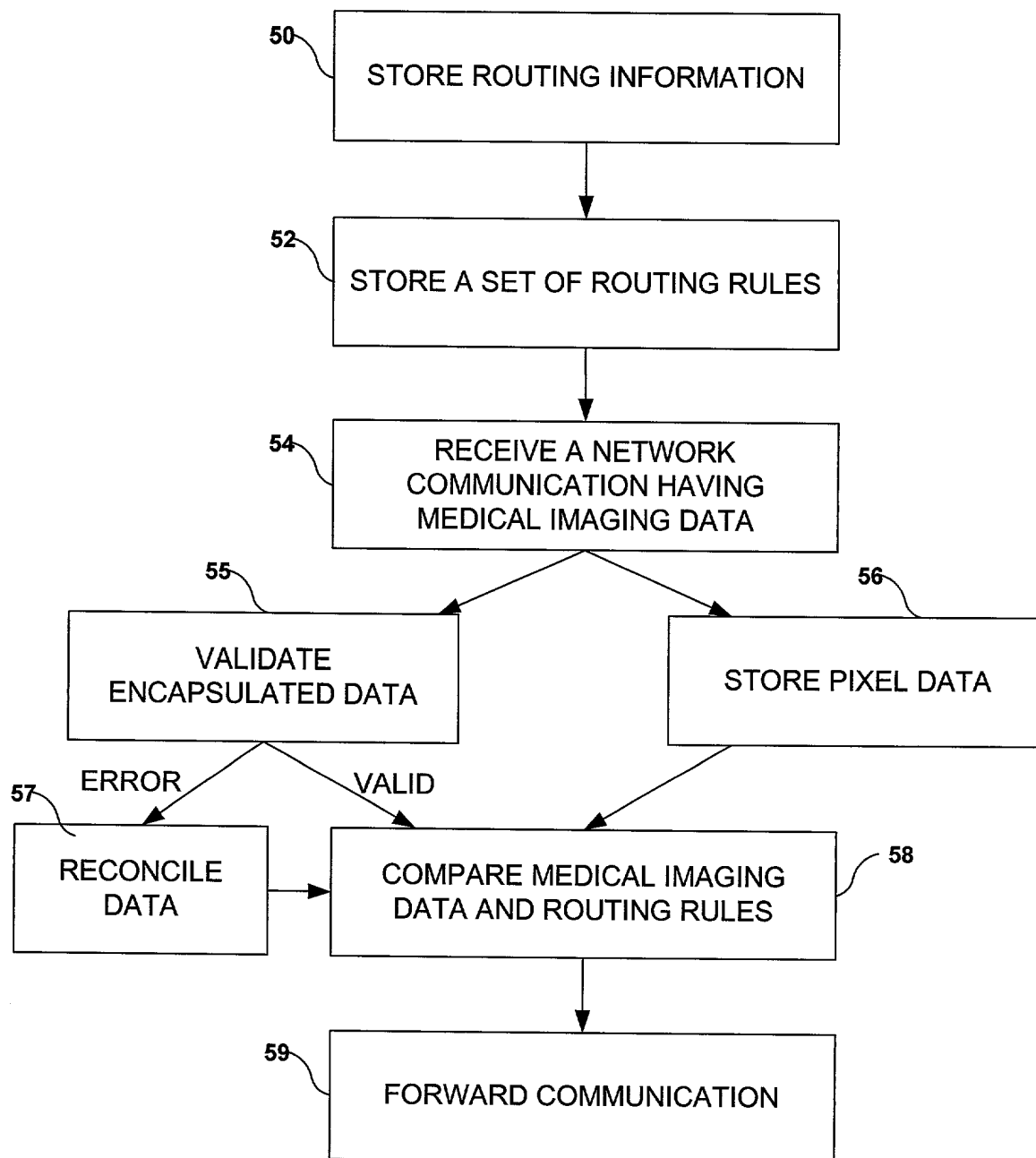


FIG. 4

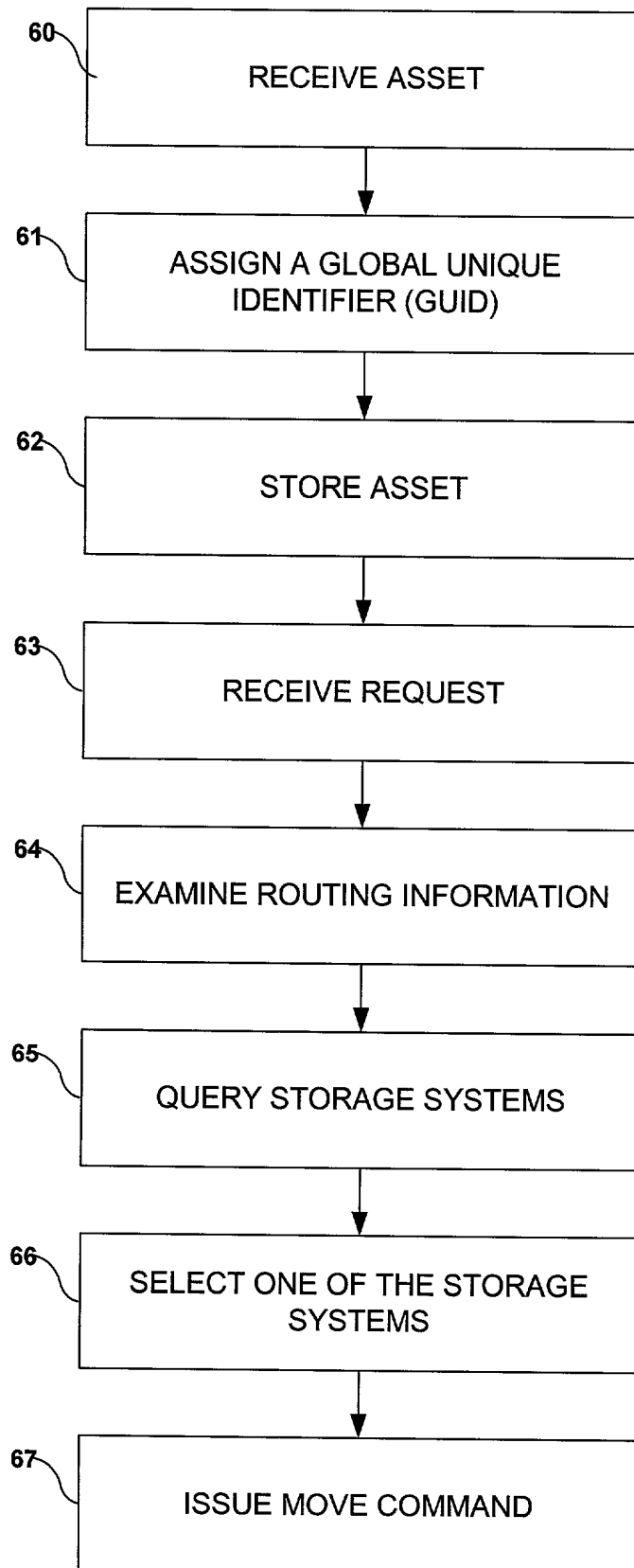


FIG. 5

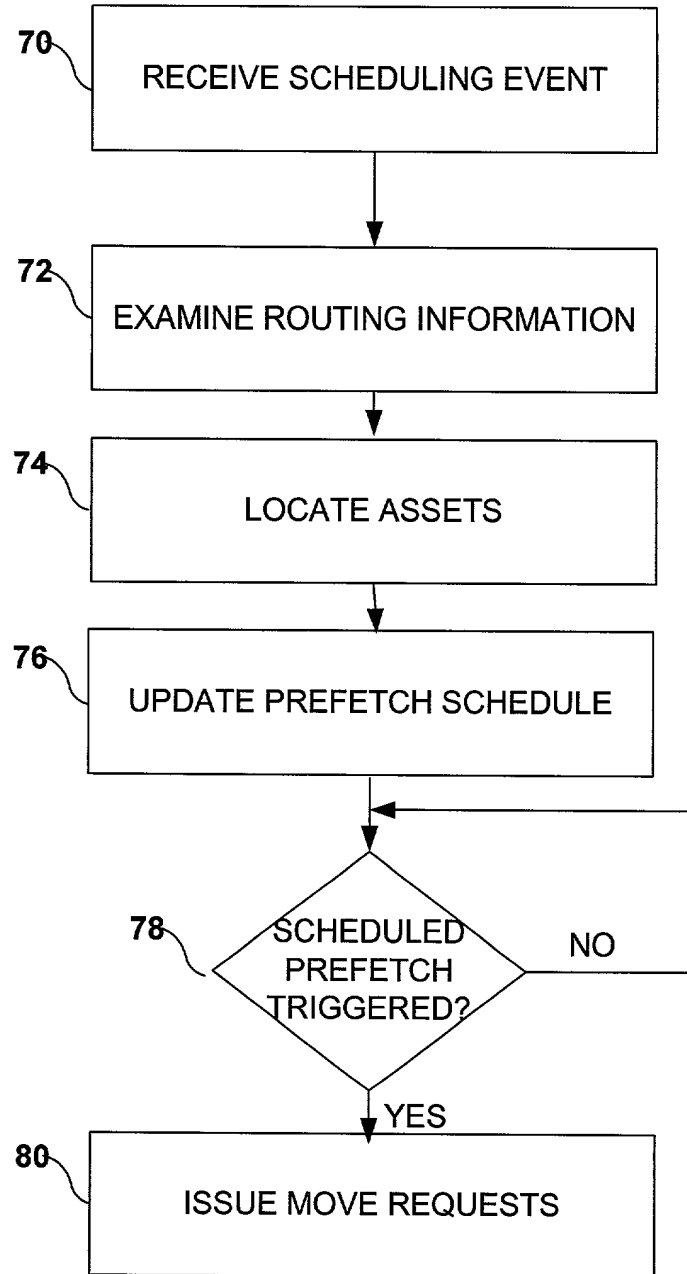
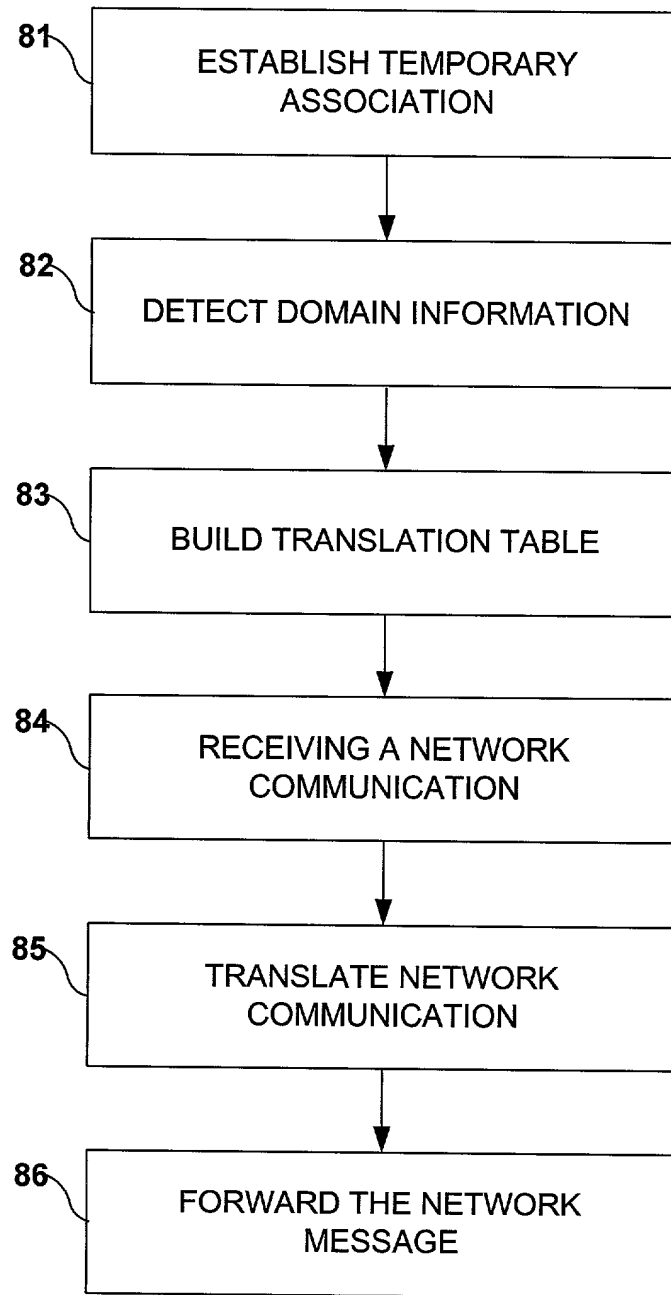


FIG. 6



**FIG. 7**

## STORAGE INTERCHANGE FORMAT

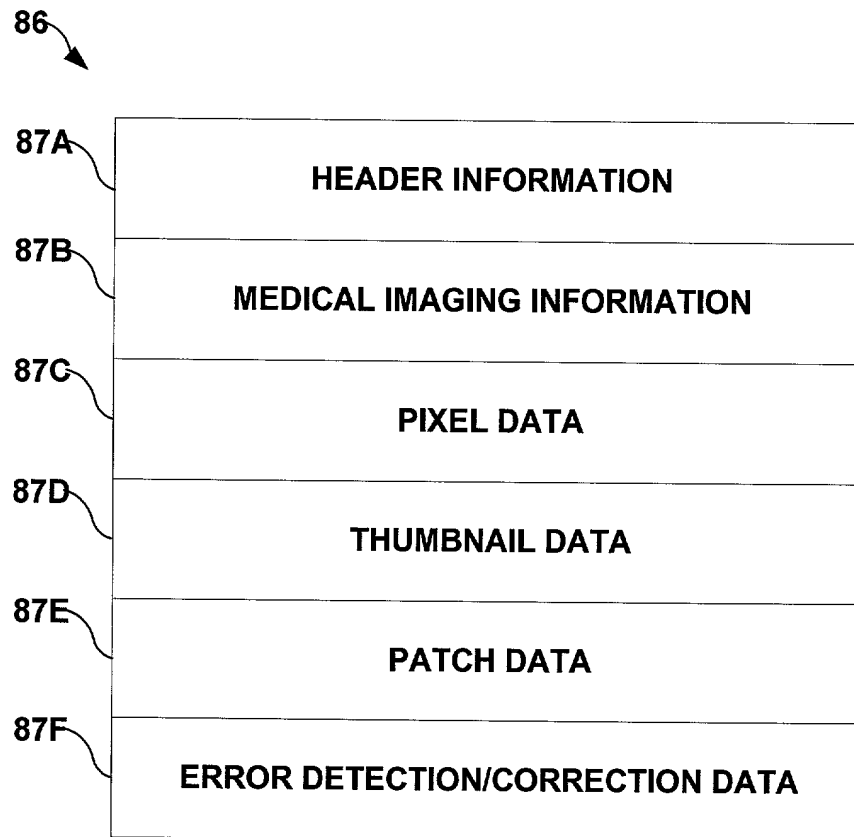


FIG. 8



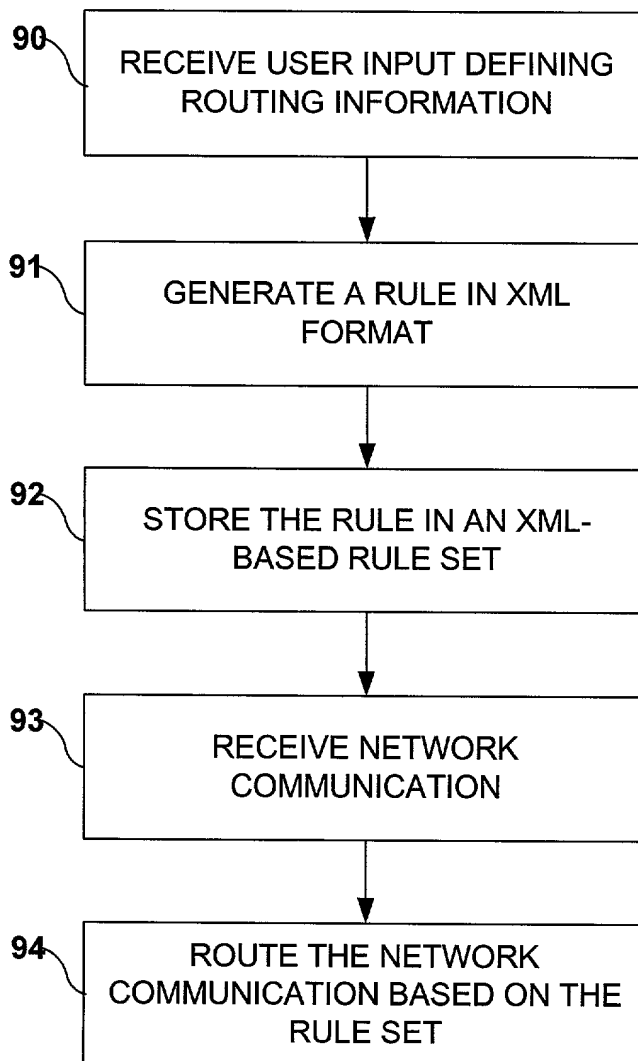


FIG. 9

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Update Tag Rule Properties

Tag Rule: [Tag Rule Route Mapping] 97

Rule Name: Dr. Gendron

Right click on a tag rule to build or modify the rule.

☐ AcuoRoute Rule Version=1.0

☒ Tag=Current Time(Acuo)<Reserved> 95

- between 99

- 8:00:00 AM

- 12:00:00 PM

98 AND

☒ NOT(Tag=Days of the Week<FFFF><0008>) 95

=

- Thursday 99

- Friday

98 AND

☒ Tag=Referring Physician<0008><0090> 99

=

Gendron~Pierre^^ 99

98 AND

☒ Tag=Modality<0008><0060> 95

=

CT 99

MR 99

98 AND

☒ External Scu(s) 99

<Host=10.220.8.106><CallingAENName=STORESCU><UID=1.2.276.0.7230010.3.0.3.4.0><Version=OFFIS\_DCMTK\_340>

FIG. 10

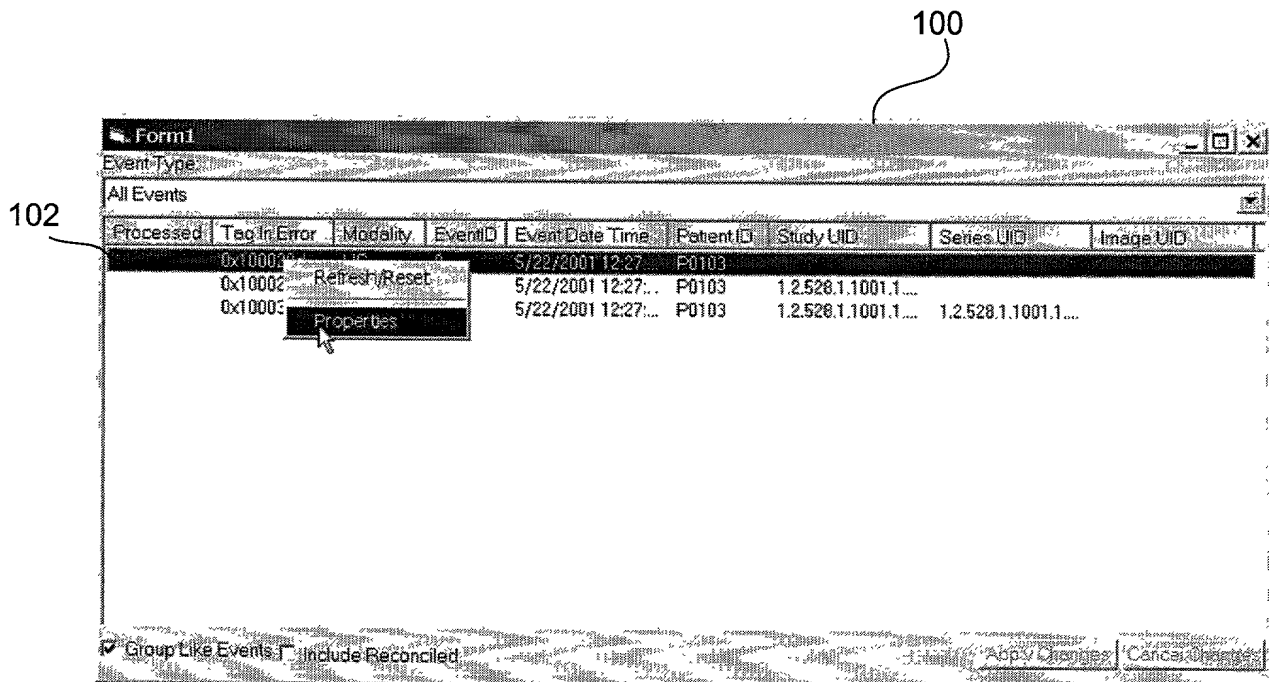


FIG. 11

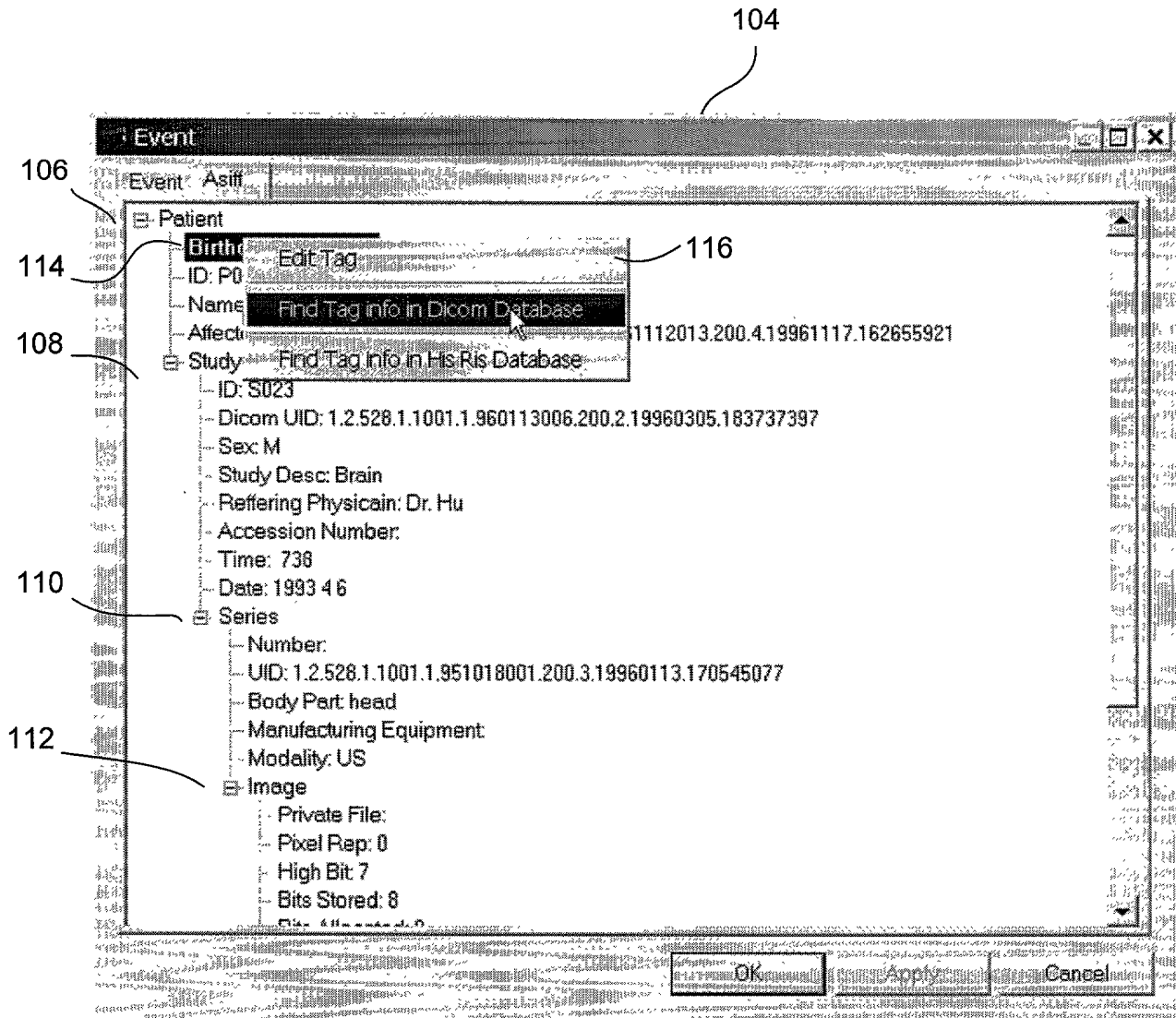


FIG. 12

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Event: Asif

Patient

BirthDay: 1930 9 9

ID: P0104

Name: Christiansson, B.

Affected SOF Instance UID: 1.2.528.1.1001.1.19961112013.200.4.19961117.162655921

Study

ID: S023

Dicom UID: 1.2.528.1.1001.1.960113006.200.2.19960305.183737397

Sex: M

122

Edit Tag Value

Tag Value

1930 9 9

OK Cancel

Body Part: head

Manufacturing Equipment

Modality: US

Image

Private File:

Pixel Rep: 0

High Bit: 7

Bits Stored: 8

OK Cancel

FIG. 13

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Patient Info		Additional Patient Info	
ID: F0104		Other Patient IDs:	F0103
General Patient Info		Other Patient Names:	John Doe
Dicom Family Name Complex:	Christiansson, Jason, B., Dr., MD	Medical Alerts:	None
Prefix:	Dr.	Contrast Allergies:	Not available
First Name:	Jason	Additional History:	YES
Middle Name:	B.		
Last Name:	CHRISTIANSSON	Comments:	
Suffix:	MD.	Test:	
Birth Name:	Smith		
Birthday:	9/9/1930		
Birth Time:			
Mothers Birth Name:	Johnson		
		OK	Cancel

FIG. 14

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Image Info			
SOP Class UID:	1.2.840.10008.5.1.4.1.1.6	Key Image	0
SOP Instance UID:	1.2.528.1.1001.1.1996.1.12013.200.4.1996	Patient Orientation	NA
Number:	1	Time	7:38:00 AM
Overlay Number:	NA	Date	4/6/1993
Lut Number:	NA	Series UID:	1.2.528.1.1001.1.951018001.200.3.199601
Curve Number:	NA		
		OK	Cancel

FIG. 15

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Series Info	
Modality	US
Device Serial Number	NA
Software Version	NA
Description	NA
Study UID	1.2.528.1.1001.1.960113006.200.2.1
Operator Identification	NA
DICOM UID	1.2.528.1.1001.1.951018001.200.3.1
Performing Physician	NA
Institution Name	
Secondary Capture Device ID	NA
Study Status ID	
Scheduled Station Name	NA
Manufacturer	
Requested Contrast Bolus Agent	NA
Manufacturer Model Name	NA
Contrast Bolus Agent	NA
Body Part	head

OK Cancel

FIG. 16



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Study Info		Patient Info at Time of Study	
DICOM UID:	1.2.528.1.1001.1.960113006.2002.19960305.183737	Patient ID:	P0104
ID:	S028	Sex:	M
Time:	7:38:00 AM	Age:	NA
Date:	4/5/1993	Weight:	NA
Referring Physician:	Dr. Hu	Size:	NA
Reading Physician:	NA	Occupation:	NA
Accession Number:		Telephone Number:	NA
Description:	Brain	Address:	NA
Result UID:	NA	Country of Residence:	NA
Reason:	NA		
Modality in Study:	NA		
Admit Diagnosis:	NA		
Interpretation Author:	NA		

OK Cancel

FIG. 17

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Form1

Event Type

All Events

All Events

Image Database Mismatch

Invalid Tag Value Character Set (Image Level)

Invalid Tag Value Character Set (Patient Level)

Invalid Tag Value Character Set (Series Level)

Invalid Tag Value Character Set (Study Level)

Invalid Tag Value Length (Image Level)

Invalid Tag Value Length (Patient Level)

Invalid Tag Value Length (Series Level)

Invalid Tag Value Length (Study Level)

Patient Database Mismatch

Series Database Mismatch

Study Database Mismatch

☒ Group Like Events ☐ Include Reconciled ☒ Apply Changes ☐ Cancel Changes

FIG. 18

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Search Engine

Patient

General Info

ID: 136

Prefix:

First Name:

Middle Name:

Last Name:

Suffix:

Name Info

Christiansson Jason

S023 (Brain)

US

1

2

3

4

5

6

7

8

9

10

11

12

13

14

Add New Study

Edit Existing Patient

Delete Patient

Merge Patient

View Patient

Search Advanced OK Cancel

FIG. 19

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08002000 (0008,0020): Study Date. Decimal Tag: (0008,0032)  
08000000 Tag Length: 8  
3139393431323236 Tag Data: 19941226

08003000 (0008,0030): Study Time. Decimal Tag: (0008,0048)  
0c000000 Tag Length: 12  
3030303030302e3030303020 Tag Data: 000000.0000

08006000 (0008,0060): Modality. Decimal Tag: (0008,0096)  
02000000 Tag Length: 2  
4d52 Tag Data: MR

08007000 (0008,0070): Manufacturer. Decimal Tag: (0008,0112)  
18000000 Tag Length: 24  
5068696c697073204d65646963616c20 Tag Data: Philips Medical  
53797374656d7320 Tag Data: Systems

08008000 (0008,0080): Institution Name. Decimal Tag:  
(0008,0128)  
10000000 Tag Length: 16  
444f4149204d454d4f5249414c204850 Tag Data: DOAI MEMORIAL HP

08003010 (0008,1030): Study Description. Decimal Tag:  
(0008,4144)  
08000000 Tag Length: 8  
432d5350494e4520 Tag Data: C-SPINE

10001000 (0010,0010): Patient's Name. Decimal Tag: (0016,0016)  
12000000 Tag Length: 18  
4d522f43205350494e452f5453452f32 Tag Data: MR/C SPINE/TSE/2  
3536 Tag Data: 56

10003000 (0010,0030): Patient's Birth Date. Decimal Tag:  
(0016,0048)  
08000000 Tag Length: 8  
3139363430373331 Tag Data: 19640731

10004000 (0010,0040): Patient's Sex. Decimal Tag: (0016,0064)  
02000000 Tag Length: 2  
4d20 Tag Data: M

FIG. 20